

Claims

1. A doctor blade device (01) for cleaning a surface,
5 having a doctor blade (03) and a trough (09) for
receiving material which is wiped off from the
surface by the doctor blade (03), characterized in
that the doctor blade (03) can be moved between a
10 position in which it protrudes from an opening
(13) in the trough (09) and a position in which it
is lowered into the trough (09), and in that the
trough (09) has a closure element (07) which, in
the lowered position of the doctor blade (03), is
capable of closing the opening (13).
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2. The doctor blade device as claimed in claim 1,
characterized in that the trough (09) has a
cylindrical chamber (08), about the axis of which
the closure element (07) can rotate.
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3. The doctor blade device as claimed in claim 2,
characterized in that the closure element (07) is
arranged within the chamber (08).
- 25 4. The doctor blade device as claimed in one of the
preceding claims, characterized in that it has an
actuator (33, 21) for pivoting the doctor blade
(03) about the longitudinal axis (A) of the
chamber (08) between the position which protrudes
30 out of the trough (09) and the lowered position.
5. The doctor blade device as claimed in claim 4,
characterized in that the doctor blade (03) is
deformed elastically in the lowered position.
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6. The doctor blade device as claimed in claim 4 or 5
and claim 2 or 3, characterized in that the

closure element (07) can be pivoted by the actuator (33, 21).

- 5 7. The doctor blade device as claimed in one of the preceding claims, characterized in that the trough (09) is provided with a feed line and a discharge line (17) for a cleaning fluid.
- 10 8. The doctor blade device as claimed in claim 8, characterized in that the feed line (17) and the discharge line (17) open into opposite end sections of the trough (09).
- 15 9. The doctor blade device as claimed in claim 8 or 9, characterized in that a pump (30) for circulating cleaning fluid through the trough (09).
- 20 10. The doctor blade device as claimed in claim 10, characterized in that a control circuit (32) for the pump (30), which is coupled to the position of the closure element (07) and, when the chamber (08) is closed, permits a higher throughput of the pump (30) than when the chamber (08) is open.
- 25 11. The doctor blade device as claimed in one of claims 8 to 11, characterized in that it has a closed circuit for the cleaning fluid.